ABSTRACT AMENDMENTS

Replace the Abstract with:

~~The~~ A distance measuring device ~~comprises~~ includes a light ~~emitting means~~ emitter, a light ~~receiving means, clamping means~~ detector, a clamp that outputs long-range side signal or clamp signal, ~~calculation means~~ a calculator that calculates the ratio between the short-range side signal and the signal output from the ~~clamping means to output~~ clamp and outputs a ratio signal, a light meter measuring ~~means of~~ the luminance of outside light, a threshold ~~setting means~~ setter that sets up an infinity determination threshold value such that ~~the~~ a lower luminance of the outside light corresponds to the longer range side as a threshold value; ~~conversion means~~ a converter that, when the output ratio signal is the signal corresponding to the short range side and is shorter than the infinity determination threshold value, converts the output ratio signal into a distance signal, and, if not ~~short range side~~, converts the ~~same~~ output ratio signal into a ~~predetermined~~ distance signal having a fixed value.

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